VGN-AW310J/H

VAIO® AW Series Notebook

Stunning 18.4" (diag) multimedia powerhouse

POWERFUL PERFORMANCE

Enjoy the powerful performance of an Intel® Core™ 2 Duo T6500 processor (2.10GHz[1]) with Intel® Centrino® processor technology and 4GB of pre-installed system memory.

The VAIO® AW notebook comes pre-installed with Genuine Microsoft® Windows Vista® Home Premium 64-bit[12].

Tackle virtually any graphics requirement with a NVIDIA® GeForce® 9600M GT graphics card and 512MB of dedicated video RAM[17].

Store your digital photos, videos and important documents on the roomy 400GB[2] Serial ATA hard disk drive.

BORN FROM SONY® HD TECHNOLOGY.

An 18.4"[4] extra-widescreen display with stunning XBRITE-ECO™ LCD technology delivers dazzling colors and stunning picture clarity.

A Blu-ray Disc™ optical drive lets you playback[14] Blu-ray Disc™ movies in crystal-clear resolution as well as burn CDs and DVDs.

An HDMI™ output provides single-cable full 1080p connectivity (audio and video) to a compatible HDTV (cable sold separately).

ENDLESS FEATURES

Stay connected to colleagues, friends and family with real-time video conferencing using the integrated MOTION EYE® camera and microphone[13].

Integrated Stereo A2DP Bluetooth® technology[16] allows you to wirelessly connect to useful peripherals and stream CD-quality audio to compatible devices.

Editing digital video and images is quick and easy with VAIO® Movie Story software. You choose the supplied template and professional-looking cutaways, cross-fades and soundtrack syncing are automatically done for you.

The VAIO® AW notebook is a multimedia powerhouse boasting an 18.4" [4] extra-widescreen display with XBRITE-ECO™ LCD technology. Designed to maximize LCD space while minimizing chassis size, this user-friendly notebook packs a powerful punch with Blu-ray Disc™ technology[14], external NVIDIA® graphics and Intel® Centrino® 2 processor technology.

VGN-AW310J/H

VAIO® AW Series Notebook

Specifications

General

Computer Type: Notebook

Type of Use: Desktop Replacement

Action Buttons: S1, S2, Volume - / +, Mute, Play / Pause, Stop, Eject, WLAN / Bluetooth® on / off, A/V Mode

Pointing Device: Electro-static touch pad

Hardware

Keyboard: QWERTY, 103 keys, 19.05mm pitch, 2mm stroke

Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ 2 Duo processor T6500

Speed: 2.10GHz[1]

Front Side Bus Speed: 800MHz

L2 Cache: 2MB

Technology: Intel® Centrino® processor technology

Memory

Installed: 4GB PC2-6400 (2GBx2)

Maximum: 8GB

Type/Speed: DDR2/800MHz

Hard Drive

Capacity: 400GB[2]

Speed: 5400rpm

Type: Serial ATA

Optical Drive

BD-R DL Read: 2x max.

BD-R Read: 2x max.

BD-RE DL Read: 2x max.

BD-RE Read: 2x max.

BD-ROM Read: 2x max.

Blu-ray Disc™ Support: Read only[14] (BD-ROM)

CD Support: Read / Write (CD-R/-RW)

DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard / Duo) media slot with MagicGate® functionality

One ExpressCard® / 34 media slot

One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Speakers (Total): Built-in stereo speakers + 2W subwoofer

Display

Screen Size: 18.4"[4]

Resolution: 1680 x 945

XBRITE-ECO™ Technology: Yes

Graphics

Processor: NVIDIA® GeForce® 9600M GT GPU with Total Available Graphics Memory of 2280MB (max.)[17]

Video RAM: 512MB dedicated video RAM

Chipset: Mobile Intel® PM45 Express Chipset

Max. External Resolution via VGA: 2048x1536

Max. External Display Resolution via HDMI™ : 1920x1080

Max. External Resolution via DVI: 1920x1200

Inputs and Outputs

Microphone Input: 1

USB Port(s): 3 (2.0 compliant)

VGA Output(s): 1

DC-In: 1

i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[7]

Headphone Output(s): 1

Optical Audio Digital Output(s): 1

S/PDIF Output(s): 1

Ethernet Connection (s): 1

HDMI™ Output(s): 1

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS13/B)

Estimated Battery Life: Up to 2.5 hours[8] Standard Capacity Battery
Up to 3.5 hours[8] Large Capacity Battery

Power Requirements: 150W + 10%

Input Voltage: 100-240V

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)

Ethernet Speed: Fast Ethernet (RJ-45)

Wi-Fi: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]

Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology (2.1+EDR) [18]

Software

Operating System: Genuine Microsoft® Windows Vista® Home Premium 64-bit[12]

Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[11]

The VAIO® Software Experience: VAIO® Startup Assistant
VAIO® Care

VAIO® Multimedia Suite: VAIO® Startup Assistant
Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simple Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Anti-Virus Software: Norton Internet Security™ 2009 30-Day Trial Offer[15]

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[10].

Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Limited Warranty Term: 1 year limited warranty[11]. See actual warranty for details.

Environmental Information

EPEAT™ : Silver

RoHS®: Compliant
For more information: www.sony.com/vaioeco

Dimensions

Weight: 8.2 lbs[7] (with standard capacity battery)

Measurements: 17.2"(W) x 1.45 - 1.56"(H) x 11.4"(D)[5,6]

Supplied Accessories

Power Cord

Standard Capacity Lithium-ion Battery (VGP-BPS13/B)

AC Adapter (VGP-AC19V15)

Optional Accessories

Additional Standard Capacity Battery (VGP-BPS13A/B)

Large Capacity Battery (VGP-BPL13)

Non-contact Rechargeable Bluetooth® Mouse (VGP-BMS77)[16]

USB Laser Mouse (VGP-UMS55/B)

Bluetooth® Laser Mouse (VGP-BMS33/H)[16]

Deluxe Backpack (VGP-CCP5/L)

Neoprene Case (VGP-AMC8)

Canvas Urban Messenger Bag (VGP-AMB12)

Color: Titanium Gray

UPC Code: 027242773790

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Non-metric weights and measures are approximate and may vary.
6. Measured at the narrowest point.
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
9. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
10. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
11. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
12. Compatibility and performance in a 64 bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.
13. Video recording to Blu-ray Disc™ media is done in MPEG2 and AVC formats
14. Certain circumstances may limit/prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.
15. Norton Internet Security™ 2009 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. You can activate in the Sony VAIO Startup Assistant or by double clicking the Norton Internet Security icon on your desktop. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
16. Interoperability and compatibility among Bluetooth® devices vary.
17. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
©2009 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, i.LINK, VAIO, XBRITE-ECO, Sony logo, VAIO logo, Memory Stick PRO and MagicGate are trademarks of Sony in the U.S. and in other countries. Intel, Centrino and Core are trademarks of the Intel Corporation in the U.S. and in other countries. Microsoft and Windows Vista are registered trademarks of the Microsoft Corporation in the U.S. and in other countries. Blu-ray Disc is a trademark. Bluetooth and the Bluetooth logo are registered trademarks of SIG, Inc. Symantec, the Symantec Logo, and Norton Internet Security are trademarks or registered trademarks of Symantec Corporation or its affiliates in the U.S. and other countries. HDMI is a trademark of HDMI Licensing LLC. All other trademarks are trademarks of their respective owners.
Printed 03/09.